

AMENDMENT TO THE CLAIMS

Please amend the claims without prejudice, without admission, without surrender of subject matter, and without any intention of creating any estoppel as to equivalents, as follows.

In the Claims:

1. (Currently amended) A method for preparing carbon nanotube from a liquid phased-carbon source, wherein the method uses a liquid phased-hydrocarbon based material as carbon source; and comprises the steps of
heating and pressurizing said carbon source to the range of critical temperature and critical pressure, and
reacting and cooling said carbon source in the presence of ~~a metal seed catalyst~~
an autogenous seed catalyst which is a metal-containing acid salt wherein the acid is selected from the group consisting of acetic acid, hydrochloric acid, sulfuric acid and nitric acid to induce the growth of carbon nanotube.
2. (Canceled)
3. (Currently amended) The method of claim 2 1, wherein said metal is at least one ~~metal complex~~ selected from the group consisting of a transition metal ~~such as cobalt, nickel and iron~~; and a noble metal ~~such as platinum and palladium~~.
4. (Currently Amended) The method of claim 1, wherein said hydrocarbon based material is used in the amount of from 80 to 99.999 wt%, while said ~~metal seed catalyst~~
autogenous seed catalyst is used in the amount of from 0.001 to 20 wt%.
5. (Original) The method of claim 1, wherein said hydrocarbon based material is at

least one hydrocarbon selected from the group consisting of a saturated hydrocarbon, an unsaturated hydrocarbon, an aromatic hydrocarbon and a derivative thereof.

6. (Original) The method of claim 1, wherein said reaction temperature maintaining the critical state of said carbon source is ranging from 200 to 800 °C.
7. (Original) The method of claim 1, wherein said reaction pressure maintaining the critical state of carbon source is ranging from 1 to 400 atm.
8. (Original) The method of claim 1, wherein said critical state equilibrating between liquid and gas phases is maintained for 1 min to 30 hrs.
9. (Original) The method of claim 1, wherein said heating and cooling rate are regulated within the range of from 0.01 to 50 °C/min.
10. (Original) The method of claim 9, wherein said heating rate is regulated within the range of from 1 to 30 °C/min, and said cooling rate is regulated within the range of from 1 to 30 °C/min.
11. (Original) The method of claim 1, wherein
said hydrocarbon based material is at least one hydrocarbon selected from the group consisting of a saturated hydrocarbon, an unsaturated hydrocarbon, an aromatic hydrocarbon and a derivative thereof;

said reaction temperature maintaining the critical state of said carbon source is ranging

from 200 to 800 °C;

said reaction pressure maintaining the critical state of carbon source is ranging from 1 to 400 atm;

said critical state equilibrating between liquid and gas phases is maintained for 1 min to 30 hrs;

said heating rate is regulated within the range of from 1 to 30 °C/min; and

said cooling rate is regulated within the range of from 1 to 30 °C/min.